28-OCT-09
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GEORGIA DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION - OFFICE OF BRIDGE & STRUCTURAL DESIGN
LIVE LOAD CASE PROGRAM
REVISED: JUNE 26, 2008

PROB. NO. LL01

40.00' CURB-TO-CURB; 6 BEAMS; 120.00' AVERAGE SPAN

BRIDGE WIDTH	X1	X2	CENTER LINE DISTANCE	# OF BEAMS	REACTION FORCE	MAXIMUM # OF TRUCKS	# OF COLUMNS	COLUMN WIDTH	SKEW ANGLE										
43.250	3.625	3.625	21.625	6	62.071	3	1	*****	0										
D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20
2.958	7.467	7.467	7.467	7.467	7.467														
XCOL1	XCOL2	XCOL3	XCOL4	XCOL5															
21.625																			

LIVE LOAD CASE # 1 1 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	1.0178	63.177
2	0.9822	60.965
3	0.0000	0.000
4	0.0000	0.000
5	0.0000	0.000
6	0.0000	0.000

LIVE LOAD CASE # 2 2 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	1.0178	63.177
2	1.5536	96.436
3	1.1965	74.266
4	0.2321	14.406
5	0.0000	0.000
6	0.0000	0.000

LIVE LOAD CASE # 3 3 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	1.0178	63.177
2	1.5536	96.436
3	1.4287	88.680
4	1.4286	88.672
5	0.5713	35.462
6	0.0000	0.000

LIVE LOAD CASE # 4 1 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.0000	0.000
3	0.0000	0.000
4	0.0000	0.000
5	0.9825	60.982
6	1.0175	63.160

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LIVE LOAD CASE # 5 2 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.0000	0.000
3	0.2322	14.414
4	1.1965	74.266
5	1.5538	96.444
6	1.0175	63.160

LIVE LOAD CASE # 6 3 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.5714	35.470
3	1.4287	88.680
4	1.4286	88.672
5	1.5538	96.444
6	1.0175	63.160

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LIVE LOAD CASE # 7 1 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.4018	24.938
3	1.1965	74.266
4	0.4018	24.938
5	0.0000	0.000
6	0.0000	0.000

LIVE LOAD CASE # 8 2 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.7410	45.994
2	1.5982	99.204
3	1.2590	78.148
4	0.4018	24.938
5	0.0000	0.000
6	0.0000	0.000

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LIVE LOAD CASE # 9 3 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.7410	45.994
2	1.5982	99.204
3	1.3215	82.030
4	1.5982	99.204
5	0.7410	45.994
6	0.0000	0.000

LIVE LOAD CASE # 10 2 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.5714	35.470
3	1.4287	88.680
4	1.4286	88.672
5	0.5713	35.462
6	0.0000	0.000

LIVE LOAD CASE # 11 3 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	1.0178	63.177
2	1.5536	96.436
3	1.4287	88.680
4	1.4286	88.672
5	0.5713	35.462
6	0.0000	0.000

LIVE LOAD CASE # 12 2 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	1.0178	63.177
2	0.9822	60.965
3	0.0000	0.000
4	0.0000	0.000
5	0.9825	60.982
6	1.0175	63.160

LIVE LOAD CASE # 13 3 TRUCKS

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